

Author Index

- Alfredsen, G., see Temiz, A. 250 (2005) 35
- An, F., see Gao, B. 250 (2005) 273
- Anandan, C., see Balaraju, J.N. 250 (2005) 88
- Aydin, I., see Temiz, A. 250 (2005) 35
- Aydoğan, Ş., M. Sağlam and A. Türüt, On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature 250 (2005) 43
- Balaraju, J.N., C. Anandan and K.S. Rajam, Morphological study of ternary Ni–Cu–P alloys by atomic force microscopy 250 (2005) 88
- Bao, Q., see Chen, C. 250 (2005) 98
- Bao, Y.-J., see Shao, Q.-Y. 250 (2005) 14
- Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, J.-J. Pireaux and L. Houssiau, Characterization of WO₃/Ag films: ToF-SIMS studies of ammonia adsorption 250 (2005) 21
- Bossert, J., see Cai, K. 250 (2005) 252
- Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H₂SO₄ by [(2-pyridin-4-ylethyl)thio]acetic acid 250 (2005) 50
- Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate 250 (2005) 252
- Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings 250 (2005) 98
- Chen, C.Z., see Tian, Y.S. 250 (2005) 223
- Chen, D.J., see Wu, X.S. 250 (2005) 182
- Chen, H.D., see Chen, Z.W. 250 (2005) 3
- Chen, P., see Wang, T. 250 (2005) 188
- Chen, Z.W., J.K.L. Lai, C.H. Shek and H.D. Chen, Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing 250 (2005) 3
- Cheng, J.-B., see Shao, Q.-Y. 250 (2005) 14
- Çolakoglu, G., see Temiz, A. 250 (2005) 35
- Cvikl, B., see Korošak, D. 250 (2005) 63
- Dai, Z., see Wang, W. 250 (2005) 268
- Dang, H., see Zhang, M. 250 (2005) 29
- Deng, J., see Xie, J. 250 (2005) 152
- Deqing, W., S. Ziyuan and T. Yingli, Microstructure and oxidation of hot-dip aluminized titanium at high temperature 250 (2005) 238
- Duan, L., X. Zhang, K. Tang, L. Song and Z. Sun, Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study 250 (2005) 79
- Eikenes, M., see Temiz, A. 250 (2005) 35
- El Idrissi, A., see Bouklah, M. 250 (2005) 50
- El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi₂Te₃ films 250 (2005) 70
- Fan, S., see Gao, W. 250 (2005) 195
- Fan, S.S., see Sheng, L.M. 250 (2005) 9
- Fan, Y.H., see Wu, X.S. 250 (2005) 182
- Fan, Z.-X., see Gao, W. 250 (2005) 195
- Felicissimo, M.P., see Bittencourt, C. 250 (2005) 21
- Felten, A., see Bittencourt, C. 250 (2005) 21
- Freitas, M.A., see Lins, V.F.C. 250 (2005) 124
- Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethylenimine and trapping effect of the modified diatomite for phenol 250 (2005) 273
- Gao, W., M. Zhan, S. Fan, J. Shao and Z.-X. Fan, Laser-induced damage of Ta₂O₅/SiO₂ narrow-band interference filters under different 1064 nm Nd:YAG laser modes 250 (2005) 195
- Ge, Z., see Gao, B. 250 (2005) 273
- Guan, D., see Wang, W. 250 (2005) 268
- Gujar, T.P., V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han, Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect 250 (2005) 161
- Hammouti, B., see Bouklah, M. 250 (2005) 50
- Han, S.-H., see Gujar, T.P. 250 (2005) 161
- Houssiau, L., see Bittencourt, C. 250 (2005) 21
- Hu, X., see Wang, T. 250 (2005) 188

- Huo, Q.H., see Tian, Y.S. 250 (2005) 223
Hwang, H., see Samantaray, C.B. 250 (2005) 146
- Inamdar, A.I., see Patil, P.S. 250 (2005) 117
Inoue, Y., see Yukawa, Y. 250 (2005) 104
Ivanov, P., see Bittencourt, C. 250 (2005) 21
- Jaegermann, W., see Wu, Q.-H. 250 (2005) 57
Jandt, K.D., see Cai, K. 250 (2005) 252
Jiang, P., see Gao, B. 250 (2005) 273
Jiang, S.S., see Wu, X.S. 250 (2005) 182
Jin, Z., see Zhang, M. 250 (2005) 29
- Jutarosaga, T., S. Manne and S. Seraphin, Si-SiO₂ interface formation in low-dose low-energy separation by implanted oxygen materials 250 (2005) 168
- Kim, J.W. and J.W. Lee, Ti/Al p-GaN Schottky barrier height determined by C-V measurements 250 (2005) 247
- Korošak, D. and B. Cviki, On the role of the interface charge in non-ideal metal-semiconductor contacts 250 (2005) 63
- Lai, J.K.L., see Chen, Z.W. 250 (2005) 3
Lee, J.W., see Kim, J.W. 250 (2005) 247
Lei, T., see Chen, C. 250 (2005) 98
Lei, T.Q., see Tian, Y.S. 250 (2005) 223
Li, A.-D., see Shao, Q.-Y. 250 (2005) 14
Li, Y., see Li, Z. 250 (2005) 109
Li, Z., Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu, A simple method for selective immobilization of silver nanoparticles 250 (2005) 109
- Lin, S.-M., Exact solution of the frequency shift in dynamic force microscopy 250 (2005) 228
- Ling, H.-Q., see Shao, Q.-Y. 250 (2005) 14
- Lins, V.F.C., M.A. Freitas and E.M. Paula e Silva, Corrosion resistance study of Fe-Mn-Al-C alloys using immersion and potentiostatic tests 250 (2005) 124
- Liu, L., see Sheng, L.M. 250 (2005) 9
Liu, M., see Sheng, L.M. 250 (2005) 9
Liu, P., see Sheng, L.M. 250 (2005) 9
Liu, Z.-G., see Shao, Q.-Y. 250 (2005) 14
Llobet, E., see Bittencourt, C. 250 (2005) 21
Lokhande, C.D., see Gujar, T.P. 250 (2005) 161
- Low, H. and Y. Xu, Moisture barrier of Al₂O₃ coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates 250 (2005) 135
- Mane, R.S., see Gujar, T.P. 250 (2005) 161
Manne, S., see Jutarosaga, T. 250 (2005) 168
Ming, N.-B., see Shao, Q.-Y. 250 (2005) 14
Mujawar, S.H., see Patil, P.S. 250 (2005) 117
Müller, M., see Cai, K. 250 (2005) 252
- Naitou, Y. and N. Ookubo, Application of a self-sensing conductive probe for Si device imaging 250 (2005) 209
- Nguyen, B.-Y., see Shao, Q.-Y. 250 (2005) 14
Nishiyama, H., see Yukawa, Y. 250 (2005) 104
Nuhoglu, Ç., E. Özerden and A. Türüt, The dependence of I-V and C-V characteristics on temperature in the H-terminated Pb/p-Si(1 0 0) Schottky barrier diodes 250 (2005) 203
Nunes, L.A.O., see Bittencourt, C. 250 (2005) 21
- Ookubo, N., see Naitou, Y. 250 (2005) 209
Ouassini, A., see Bouklah, M. 250 (2005) 50
Özerden, E., see Nuhoglu, Ç. 250 (2005) 203
- Patil, P.S., S.H. Mujawar, A.I. Inamdar and S.B. Sadale, Electrochromic properties of spray deposited TiO₂-doped WO₃ thin films 250 (2005) 117
Paula e Silva, E.M., see Lins, V.F.C. 250 (2005) 124
Philip, R.R., B. Pradeep and T. Shripathi, Photoconductivity in the ordered vacancy compound CuIn₂Se₈ 250 (2005) 216
Pireaux, J.-J., see Bittencourt, C. 250 (2005) 21
Pradeep, B., see Philip, R.R. 250 (2005) 216
- Qi, Y., see Wang, T. 250 (2005) 188
Qian, X.-F., see Li, Z. 250 (2005) 109
- Rajam, K.S., see Balaraju, J.N. 250 (2005) 88
Rechtenbach, A., see Cai, K. 250 (2005) 252
- Sağlam, M., see Aydoğan, Ş. 250 (2005) 43
Sadale, S.B., see Patil, P.S. 250 (2005) 117
Saito, N., see Yukawa, Y. 250 (2005) 104
- Samantaray, C.B., H. Sim and H. Hwang, First-principles study of electronic structure and optical properties of barium strontium titanates (Ba_xSr_{1-x}TiO₃) 250 (2005) 146
Seraphin, S., see Jutarosaga, T. 250 (2005) 168
Shao, J., see Gao, W. 250 (2005) 195
Shao, Q.-Y., A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu, Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Zhou and B.-Y. Nguyen, Growth behavior of high *k* LaAlO₃ films on Si by metalorganic chemical vapor deposition for alternative gate dielectric application 250 (2005) 14
Shek, C.H., see Chen, Z.W. 250 (2005) 3
Shen, B., see Wu, X.S. 250 (2005) 182
- Sheng, L.M., M. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan, Field emission from self-assembly structure of carbon-nanotube films 250 (2005) 9
- Shinde, V.R., see Gujar, T.P. 250 (2005) 161
Shripathi, T., see Philip, R.R. 250 (2005) 216
Sim, H., see Samantaray, C.B. 250 (2005) 146
Song, L., see Duan, L. 250 (2005) 79
Sun, Y., see Wang, W. 250 (2005) 268
Sun, Z., see Duan, L. 250 (2005) 79
- Tang, K., see Duan, L. 250 (2005) 79
Temiz, A., U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu, Surface roughness and color characteristics of

- wood treated with preservatives after accelerated weathering test 250 (2005) 35
- Thissen, A., see Wu, Q.-H. 250 (2005) 57
- Tian, Y.S., C.Z. Chen, D.Y. Wang, Q.H. Huo and T.Q. Lei, Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders 250 (2005) 223
- Türüt, A., see Aydoğan, Ş. 250 (2005) 43
- Türüt, A., see Nuhoglu, Ç. 250 (2005) 203
- Wang, C., see Shao, Q.-Y. 250 (2005) 14
- Wang, D., see Chen, C. 250 (2005) 98
- Wang, D.Y., see Tian, Y.S. 250 (2005) 223
- Wang, M., see Shao, Q.-Y. 250 (2005) 14
- Wang, T., Y. Qi, J. Xu, X. Hu and P. Chen, Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylene-dioxythiophene)-poly(styrenesulfonic acid) film 250 (2005) 188
- Wang, W., Z. Dai, Y. Sun, Y. Sun and D. Guan, Picosecond nonlinear optical response of Ba_{0.5}Sr_{0.5}TiO₃ thin films fabricated by pulsed laser deposition 250 (2005) 268
- Wang, X., see Xie, J. 250 (2005) 152
- Wei, Y., see Sheng, L.M. 250 (2005) 9
- Wu, D., see Shao, Q.-Y. 250 (2005) 14
- Wu, Q.-H., A. Thissen and W. Jaegermann, Photoelectron spectroscopic study of Li oxides on Li over-deposited V₂O₅ thin film surfaces 250 (2005) 57
- Wu, X.S., Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang, The solubility of phosphorus in GaN 250 (2005) 182
- Xie, J., X. Wang, J. Deng and L. Zhang, Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene 250 (2005) 152
- Xu, J., see Wang, T. 250 (2005) 188
- Xu, W.-Z., see Zeng, Y.-J. 250 (2005) 280
- Xu, Y., see Low, H. 250 (2005) 135
- Ye, Z.-Z., see Zeng, Y.-J. 250 (2005) 280
- Yildiz, U.C., see Temiz, A. 250 (2005) 35
- Yin, J., see Li, Z. 250 (2005) 109
- Yingli, T., see Deqing, W. 250 (2005) 238
- Yukawa, Y., N. Saito, H. Nishiyama and Y. Inoue, Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves 250 (2005) 104
- Zeng, Y.-J., Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao, Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition 250 (2005) 280
- Zhai, Z.Y., see Wu, X.S. 250 (2005) 182
- Zhan, M., see Gao, W. 250 (2005) 195
- Zhang, L., see Chen, C. 250 (2005) 98
- Zhang, L., see Xie, J. 250 (2005) 152
- Zhang, M., Z. Jin, Z. Zhang and H. Dang, Study of strong interaction between Pt and TiO₂ under oxidizing atmosphere 250 (2005) 29
- Zhang, R., see Wu, X.S. 250 (2005) 182
- Zhang, X., see Duan, L. 250 (2005) 79
- Zhang, Z., see Zhang, M. 250 (2005) 29
- Zhao, B.-H., see Zeng, Y.-J. 250 (2005) 280
- Zhao, S., see Gao, B. 250 (2005) 273
- Zheng, Y.D., see Wu, X.S. 250 (2005) 182
- Zhou, H.-W., see Shao, Q.-Y. 250 (2005) 14
- Zhu, L.-P., see Zeng, Y.-J. 250 (2005) 280
- Zhu, Z.-K., see Li, Z. 250 (2005) 109
- Ziyuan, S., see Deqing, W. 250 (2005) 238

Subject Index

Acid corrosion

- Corrosion resistance study of Fe–Mn–Al–C alloys using immersion and potentiostatic tests, V.F.C. Lins, M. A. Freitas and E. M. Paula e Silva 250 (2005) 124

Acid

- Corrosion inhibition of steel in 0.5 M H₂SO₄ by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi 250 (2005) 50

Acoustic wave

- Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

Activated carbon fiber

- Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang 250 (2005) 152

Admittance

- On the role of the interface charge in non-ideal metal–semiconductor contacts, D. Korošak and B. Cviki 250 (2005) 63

Adsorption

- Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun 250 (2005) 79

- Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273

AFM

- Morphological study of ternary Ni–Cu–P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam 250 (2005) 88
Exact solution of the frequency shift in dynamic force microscopy, S.-M. Lin 250 (2005) 228
Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252

Alder

- Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu 250 (2005) 35

Alloy

- Corrosion resistance study of Fe–Mn–Al–C alloys using immersion and potentiostatic tests, V.F.C. Lins, M. A. Freitas and E. M. Paula e Silva 250 (2005) 124

Aluminizing

- Microstructure and oxidation of hot-dip aluminized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli 250 (2005) 238

Ar ion sputtering

- Study of strong interaction between Pt and TiO_2 under oxidizing atmosphere, M. Zhang, Z. Jin, Z. Zhang and H. Dang 250 (2005) 29

Atomic force microscopy

- Si- SiO_2 interface formation in low-dose low-energy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin 250 (2005) 168
- Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen 250 (2005) 188

Au/Ge bilayer films

- Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing, Z.W. Chen, J.K.L. Lai, C.H. Shek and H.D. Chen 250 (2005) 3

 $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ films

- Picosecond nonlinear optical response of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ thin films fabricated by pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan 250 (2005) 268

Band structure

- First-principles study of electronic structure and optical properties of barium strontium titanates ($\text{Ba}_x\text{Sr}_{1-x}\text{TiO}_3$), C.B. Samantaray, H. Sim and H. Hwang 250 (2005) 146

Barrier height

- Ti/Al p-GaN Schottky barrier height determined by C-V measurements, J. W. Kim and J. W. Lee 250 (2005) 247

Barrier inhomogeneity

- The dependence of I-V and C-V characteristics on temperature in the H-terminated Pb/p-Si(1 0 0) Schottky barrier diodes, Ç. Nuhoglu, E. Özerden and A. Türlüt 250 (2005) 203

 Bi_2O_3

- Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing

- effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han 250 (2005) 161

 Bi_2Te_3 film

- Structural and optical properties of thermally evaporated Bi_2Te_3 films, H.E.A. El-Sayed 250 (2005) 70

BST

- First-principles study of electronic structure and optical properties of barium strontium titanates ($\text{Ba}_x\text{Sr}_{1-x}\text{TiO}_3$), C.B. Samantaray, H. Sim and H. Hwang 250 (2005) 146

C-V characteristics

- Ti/Al p-GaN Schottky barrier height determined by C-V measurements, J. W. Kim and J. W. Lee 250 (2005) 247

Carbon nanotube

- Field emission from self-assembly structure of carbon-nanotube films, L.M. Sheng, M. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan 250 (2005) 9

Chemical bath deposition

- Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han 250 (2005) 161

Chemical vapor deposition

- Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang 250 (2005) 152

Color changes

- Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfrdsen and G. Çolakoglu 250 (2005) 35

Contact angle

- Surface structure and composition of flat titanium thin films as a function of film

- thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252
- Copper-containing wood preservatives**
- Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydın, M. Eikenes, G. Alfredsen and G. Çolakoglu 250 (2005) 35
- Corrosion**
- Corrosion inhibition of steel in 0.5 M H_2SO_4 by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi 250 (2005) 50
- Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam 250 (2005) 88
- Cyclopentane**
- Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun 250 (2005) 79
- Diatomite**
- Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273
- Diffusion**
- Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun 250 (2005) 79
- Microstructure and oxidation of hot-dip aluminized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli 250 (2005) 238
- Disorder**
- On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikič 250 (2005) 63
- Dissipation**
- Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo 250 (2005) 209
- Electrical conductivity**
- Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylene-dioxythiophene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen 250 (2005) 188
- Electrical resistivity**
- Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han 250 (2005) 161
- Electrochromism**
- Electrochromic properties of spray deposited TiO_2 -doped WO_3 thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale 250 (2005) 117
- Electroless deposition**
- Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam 250 (2005) 88
- Electrostatic interaction**
- Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273
- Ethanol treatment**
- Field emission from self-assembly structure of carbon-nanotube films, L.M. Sheng, M. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan 250 (2005) 9
- Ferroelectrics**
- First-principles study of electronic structure and optical properties of barium strontium titanates ($Ba_xSr_{1-x}TiO_3$), C.B. Samantaray, H. Sim and H. Hwang 250 (2005) 146

Field emission

- Field emission from self-assembly structure of carbon-nanotube films, L.M. Sheng, M. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan 250 (2005) 9

Fractal

- Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing, Z.W. Chen, J.K.L. Lai, C.H. Shek and H.D. Chen 250 (2005) 3

Free-running laser

- Laser-induced damage of Ta₂O₅/SiO₂ narrow-band interference filters under different 1064 nm Nd:YAG laser modes, W. Gao, M. Zhan, S. Fan, J. Shao and Z.-X. Fan 250 (2005) 195

Frequency shift

- Exact solution of the frequency shift in dynamic force microscopy, S.-M. Lin 250 (2005) 228

Friction coefficient

- Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and T.Q. Lei 250 (2005) 223

GaN

- Ti/Al p-GaN Schottky barrier height determined by C-V measurements, J. W. Kim and J. W. Lee 250 (2005) 247

GaN_{1-x}P_x ternary alloys

- The solubility of phosphorus in GaN, X.S. Wu, Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang 250 (2005) 182

Gate dielectric

- Growth behavior of high k LaAlO₃ films on Si by metalorganic chemical vapor deposition for alternative gate dielectric application, Q.-Y. Shao, A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu, Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Zhou and B.-Y. Nguyen 250 (2005) 14

Gaussian distribution

- On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature, Ş. Aydoğan, M. Sağlam and A. Türit 250 (2005) 43

Growth mechanism

- Growth behavior of high k LaAlO₃ films on Si by metalorganic chemical vapor deposition for alternative gate dielectric application, Q.-Y. Shao, A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu, Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Zhou and B.-Y. Nguyen 250 (2005) 14

HRTEM

- Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing, Z.W. Chen, J.K.L. Lai, C.H. Shek and H.D. Chen 250 (2005) 3

Hydrogen bond interaction

- Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273

Hydroxyapatite

- Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei 250 (2005) 98

I-V characteristics

- On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature, Ş. Aydoğan, M. Sağlam and A. Türit 250 (2005) 43

Ideality factor

- On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikl 250 (2005) 63

Inhibition

- Corrosion inhibition of steel in 0.5 M H₂SO₄ by [(2-pyridin-4-ylethyl)thio]acetic acid,

- M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi 250 (2005) 50
- Interface charge**
- On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikič 250 (2005) 63
- Ion implantation**
- The solubility of phosphorus in GaN, X.S. Wu, Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang 250 (2005) 182
- LaAlO₃ film**
- Growth behavior of high k LaAlO₃ films on Si by metalorganic chemical vapor deposition for alternative gate dielectric application, Q.-Y. Shao, A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu, Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Zhou and B.-Y. Nguyen 250 (2005) 14
- Langmuir**
- Corrosion inhibition of steel in 0.5 M H₂SO₄ by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi 250 (2005) 50
- Laser alloying**
- Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and T.Q. Lei 250 (2005) 223
- Laser remelting**
- Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei 250 (2005) 98
- Laser-induced damage**
- Laser-induced damage of Ta₂O₅/SiO₂ narrow-band interference filters under different 1064 nm Nd:YAG laser modes, W. Gao, M. Zhan, S. Fan, J. Shao and Z.-X. Fan 250 (2005) 195
- Li deposition**
- Photoelectron spectroscopic study of Li oxides on Li over-deposited V₂O₅ thin film surfaces, Q.-H. Wu, A. Thissen and W. Jaegermann 250 (2005) 57
- Metal-organic chemical vapor deposition**
- Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition, Y.-J. Zeng, Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao 250 (2005) 280
- Metal-semiconductor interface**
- On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikič 250 (2005) 63
- Metal-semiconductor-metal contacts**
- The dependence of I - V and C - V characteristics on temperature in the H-terminated Pb/p-Si(1 0 0) Schottky barrier diodes, Ç. Nuhoglu, E. Özerden and A. Türit 250 (2005) 203
- Microstructure**
- Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei 250 (2005) 98
- MOCVD**
- Growth behavior of high k LaAlO₃ films on Si by metalorganic chemical vapor deposition for alternative gate dielectric application, Q.-Y. Shao, A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu, Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Zhou and B.-Y. Nguyen 250 (2005) 14
- The solubility of phosphorus in GaN, X.S. Wu, Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang 250 (2005) 182
- Moisture barrier**
- Moisture barrier of Al₂O₃ coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135

Nanocrystal

- Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing, Z.W. Chen, J.K.L. Lai, C.H. Shek and H.D. Chen 250 (2005) 3

Nanoparticles

- A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu 250 (2005) 109

Nanostructure

- Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252

Nanowires

- Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition, Y.-J. Zeng, Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao 250 (2005) 280

Narrow-band interference filter

- Laser-induced damage of Ta₂O₅/SiO₂ narrow-band interference filters under different 1064 nm Nd:YAG laser modes, W. Gao, M. Zhan, S. Fan, J. Shao and Z.-X. Fan 250 (2005) 195

Ni-Cu-P

- Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam 250 (2005) 88

Non-contact mode

- Exact solution of the frequency shift in dynamic force microscopy, S.-M. Lin 250 (2005) 228

Optical constants

- Structural and optical properties of thermally evaporated Bi₂Te₃ films, H.E.A. El-Sayed 250 (2005) 70

Optical nonlinearity

- Picosecond nonlinear optical response of Ba_{0.5}Sr_{0.5}TiO₃ thin films fabricated by

- pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan 250 (2005) 268

Optical properties

- First-principles study of electronic structure and optical properties of barium strontium titanates (Ba_{1-x}Sr_xTiO₃), C.B. Samantary, H. Sim and H. Hwang 250 (2005) 146

Optical

- Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han 250 (2005) 161

Oxidation resistance

- Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and T.Q. Lei 250 (2005) 223

Oxidation

- Microstructure and oxidation of hot-dip aluminized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli 250 (2005) 238

Partial oxidation of methanol

- Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

Passivity

- Corrosion resistance study of Fe-Mn-Al-C alloys using immersion and potentiostatic tests, V. F.C. Lins, M. A. Freitas and E. M. Paula e Silva 250 (2005) 124

PC

- Moisture barrier of Al₂O₃ coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135

PEDOT-PSS

- Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen 250 (2005) 188

PEN

- Moisture barrier of Al_2O_3 coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135

PET

- Moisture barrier of Al_2O_3 coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135

Phases constitution

- Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei 250 (2005) 98

Phenol

- Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273

Photodegradation

- Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu 250 (2005) 35

Physical adsorption

- Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang 250 (2005) 152

Pine

- Surface roughness and color characteristics of wood treated with preservatives after

- accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu 250 (2005) 35

Plasma spraying

- Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei 250 (2005) 98

Polyethyleneimine

- Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273

Porosity

- Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang 250 (2005) 152

Potentiostatic

- Corrosion resistance study of Fe-Mn-Al-C alloys using immersion and potentiostatic tests, V. F.C. Lins, M. A. Freitas and E. M. Paula e Silva 250 (2005) 124

Propylene

- Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang 250 (2005) 152

p-Si/Al structures

- On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature, Ş. Aydoğan, M. Sağlam and A. Türlüt 250 (2005) 43

Pt-TiO₂ strong interaction

- Study of strong interaction between Pt and TiO₂ under oxidizing atmosphere, M. Zhang, Z. Jin, Z. Zhang and H. Dang 250 (2005) 29

Pulsed laser deposition

- Picosecond nonlinear optical response of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ thin films fabricated by pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan 250 (2005) 268

PVP

- A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu 250 (2005) 109

Pyridine

- Corrosion inhibition of steel in 0.5 M H_2SO_4 by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi 250 (2005) 50

Resonance oscillation

- Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

Scaling analysis

- Si-SiO₂ interface formation in low-dose low-energy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin 250 (2005) 168

Scanning electron microscopy

- Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition, Y.-J. Zeng, Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao 250 (2005) 280

Scanning probe microscope

- Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo 250 (2005) 209

Schottky barrier

- On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikič 250 (2005) 63

Schottky diodes

- The dependence of *I*-*V* and *C*-*V* characteristics on temperature in the H-terminated Pb/p-Si(1 0 0) Schottky barrier diodes, Ç. Nuhoglu, E. Özerden and A. Türüt 250 (2005) 203

Selective immobilization

- A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu 250 (2005) 109

Selectivity of partial oxidation

- Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

Self-affine scaling

- Si-SiO₂ interface formation in low-dose low-energy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin 250 (2005) 168

Self-sensing probe

- Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo 250 (2005) 209

SEM

- Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han 250 (2005) 161

Semiconductor

- Characterization of WO₃/Ag films: ToF-SIMS studies of ammonia adsorption, C. Bittencourt, M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, J.-J. Pireaux and L. Houssiau 250 (2005) 21

Separation by implanted oxygen materials

- Si-SiO₂ interface formation in low-dose low-energy separation by implanted oxygen

- materials, T. Jutarosaga, S. Manne and S. Seraphin 250 (2005) 168
- Silicalite-1*
- Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun 250 (2005) 79
- Silver*
- A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu 250 (2005) 109
- Single-pulse laser*
- Laser-induced damage of Ta₂O₅/SiO₂ narrow-band interference filters under different 1064 nm Nd:YAG laser modes, W. Gao, M. Zhan, S. Fan, J. Shao and Z.-X. Fan 250 (2005) 195
- Si-SiO₂ interfaces*
- Si-SiO₂ interface formation in low-dose low-energy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin 250 (2005) 168
- Size tunable*
- A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu 250 (2005) 109
- Solubility of P*
- The solubility of phosphorus in GaN, X.S. Wu, Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang 250 (2005) 182
- Spectral photoconductivity*
- Photoconductivity in the ordered vacancy compound CuIn₂Se₄, R. R. Philip, B. Pradeep and T. Shripathi 250 (2005) 216
- Spray pyrolysis*
- Electrochromic properties of spray deposited TiO₂-doped WO₃ thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale 250 (2005) 117
- Steel*
- Corrosion inhibition of steel in 0.5 M H₂SO₄ by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi 250 (2005) 50
- Surface characterization*
- Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252
- Surface energy*
- Moisture barrier of Al₂O₃ coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135
- Surface modification*
- Studies on the surface modification of diatomite with polyethylencimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273
- Surface roughness*
- Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu 250 (2005) 35
- Moisture barrier of Al₂O₃ coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135
- Thermodynamic*
- Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun 250 (2005) 79

Thin films

- Electrochromic properties of spray deposited TiO_2 -doped WO_3 thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale 250 (2005) 117

Thin Pd film catalysts

- Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

Thin Pt film catalysts

- Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

 TiO_2

- Electrochromic properties of spray deposited TiO_2 -doped WO_3 thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale 250 (2005) 117

Titanium aluminide

- Microstructure and oxidation of hot-dip aluminized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli 250 (2005) 238

Titanium thin film

- Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252

Titanium

- Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and T.Q. Lei 250 (2005) 223

ToF-SIMS

- Characterization of WO_3 :Ag films: ToF-SIMS studies of ammonia adsorption,

- C. Bittencourt, M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, J.-J. Pireaux and L. Houssiau 250 (2005) 21

Transient photoconductivity

- Photoconductivity in the ordered vacancy compound CuIn_2Se_4 , R. R. Philip, B. Pradeep and T. Shripathi 250 (2005) 216

Transition metal oxides

- Characterization of WO_3 :Ag films: ToF-SIMS studies of ammonia adsorption, C. Bittencourt, M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, J.-J. Pireaux and L. Houssiau 250 (2005) 21

Tuning fork

- Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo 250 (2005) 209

UPS

- Photoelectron spectroscopic study of Li oxides on Li over-deposited V_2O_5 thin film surfaces, Q.-H. Wu, A. Thissen and W. Jaegermann 250 (2005) 57

UV-ozone

- Moisture barrier of Al_2O_3 coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu 250 (2005) 135

 V_2O_5

- Photoelectron spectroscopic study of Li oxides on Li over-deposited V_2O_5 thin film surfaces, Q.-H. Wu, A. Thissen and W. Jaegermann 250 (2005) 57

 WO_3

- Electrochromic properties of spray deposited TiO_2 -doped WO_3 thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale 250 (2005) 117

XPS

- Study of strong interaction between Pt and TiO_2 under oxidizing atmosphere, M. Zhang, Z. Jin, Z. Zhang and H. Dang 250 (2005) 29
- Photoelectron spectroscopic study of Li oxides on Li over-deposited V_2O_5 thin film surfaces, Q.-H. Wu, A. Thissen and W. Jaegermann 250 (2005) 57
- Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam 250 (2005) 88
- Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252

X-ray photoelectron spectroscopy

- Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen 250 (2005) 188

- Photoconductivity in the ordered vacancy compound CuIn_2Se_8 , R. R. Philip, B. Pradeep and T. Shripathi 250 (2005) 216

XRD

- Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt 250 (2005) 252

Z-scan

- Picosecond nonlinear optical response of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$ thin films fabricated by pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan 250 (2005) 268

Zinc compounds

- Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition, Y.-J. Zeng, Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao 250 (2005) 280

